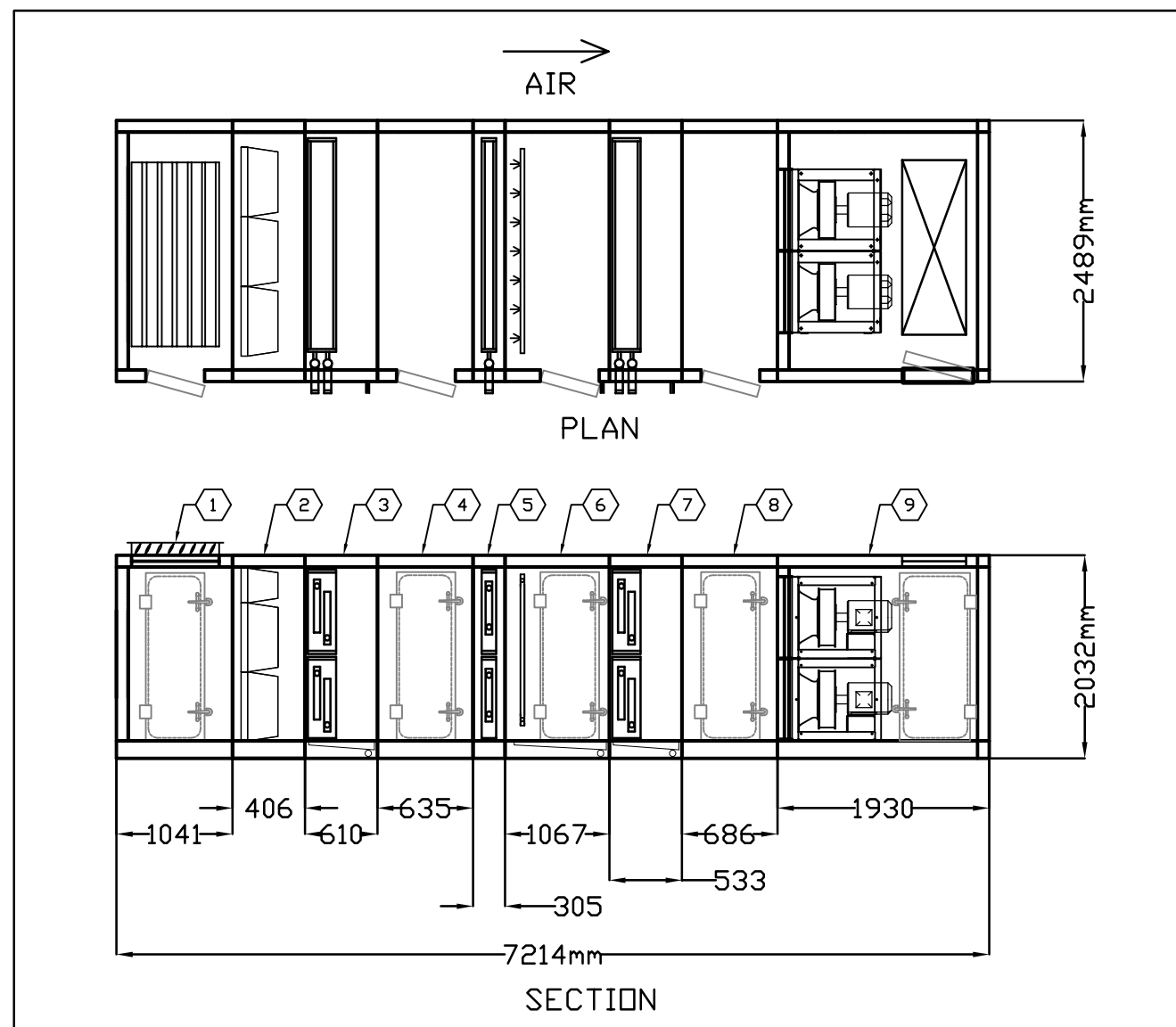
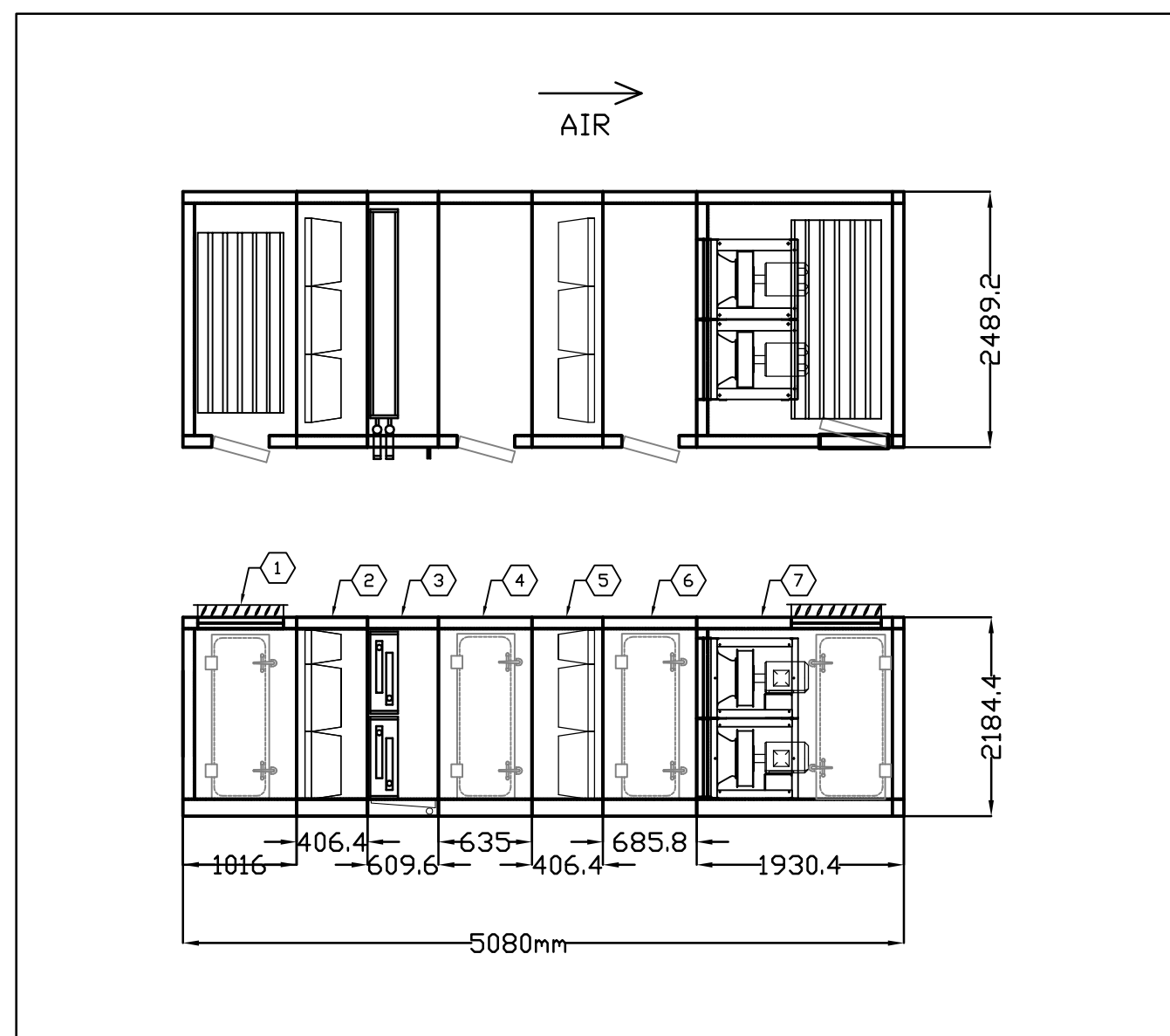


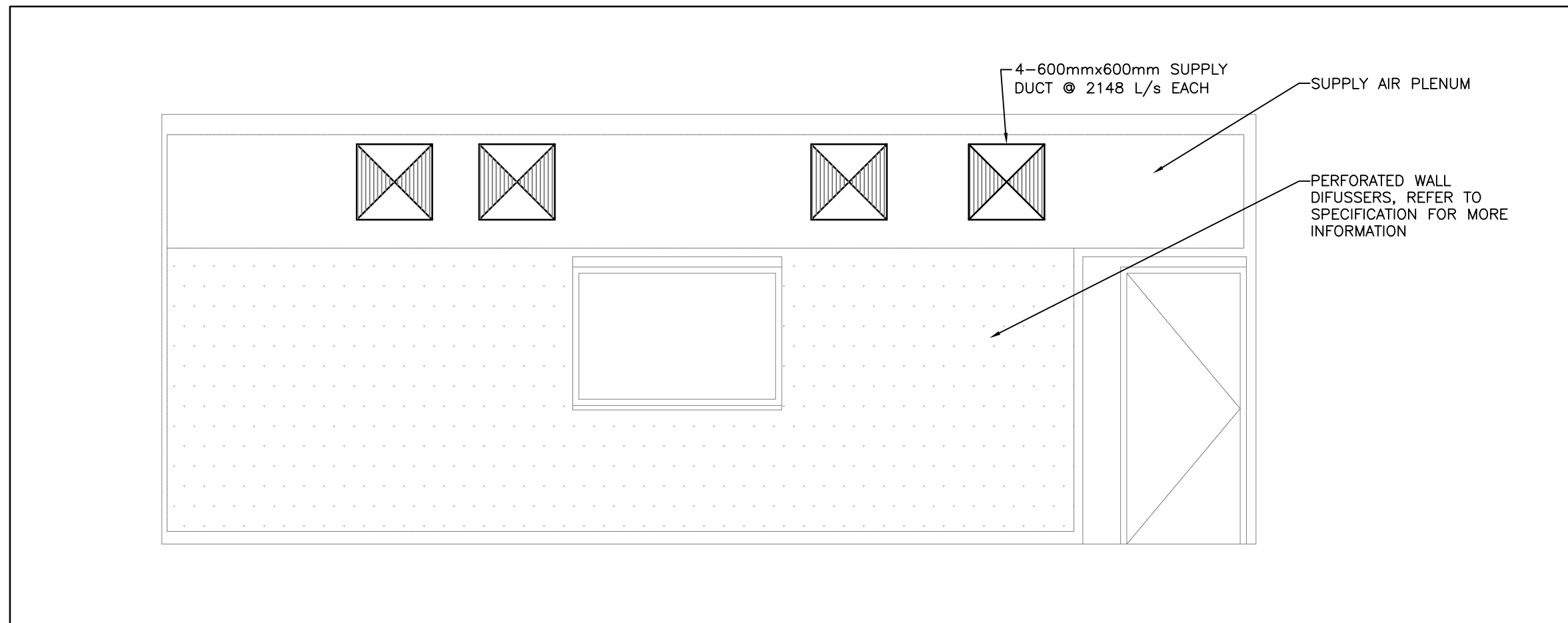
1 SUB-BASEMENT – MECHANICAL SECTION
M1.2 M1.2 1:100



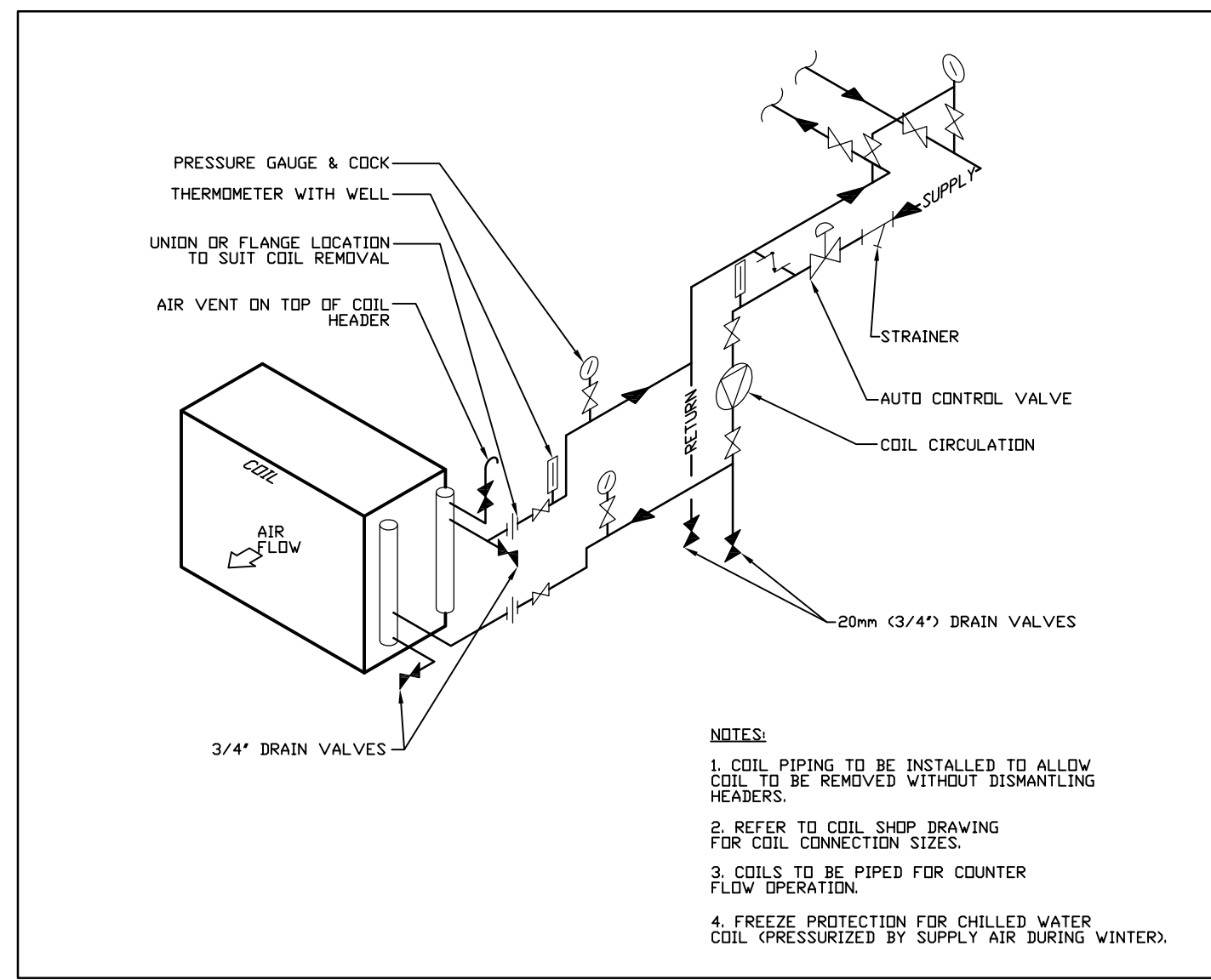
2 SUPPLY AIR HANDLING UNIT (AHU-09) DETAIL
M1.2 M1.2 NOT TO SCALE



3 EXHAUST AIR HANDLING UNIT (AHU-13) DETAIL
M1.2 M1.2 NOT TO SCALE



4 FIRING RANGE AIRWALL DIFFUSER LAYOUT
M1.2 M1.2 1:40

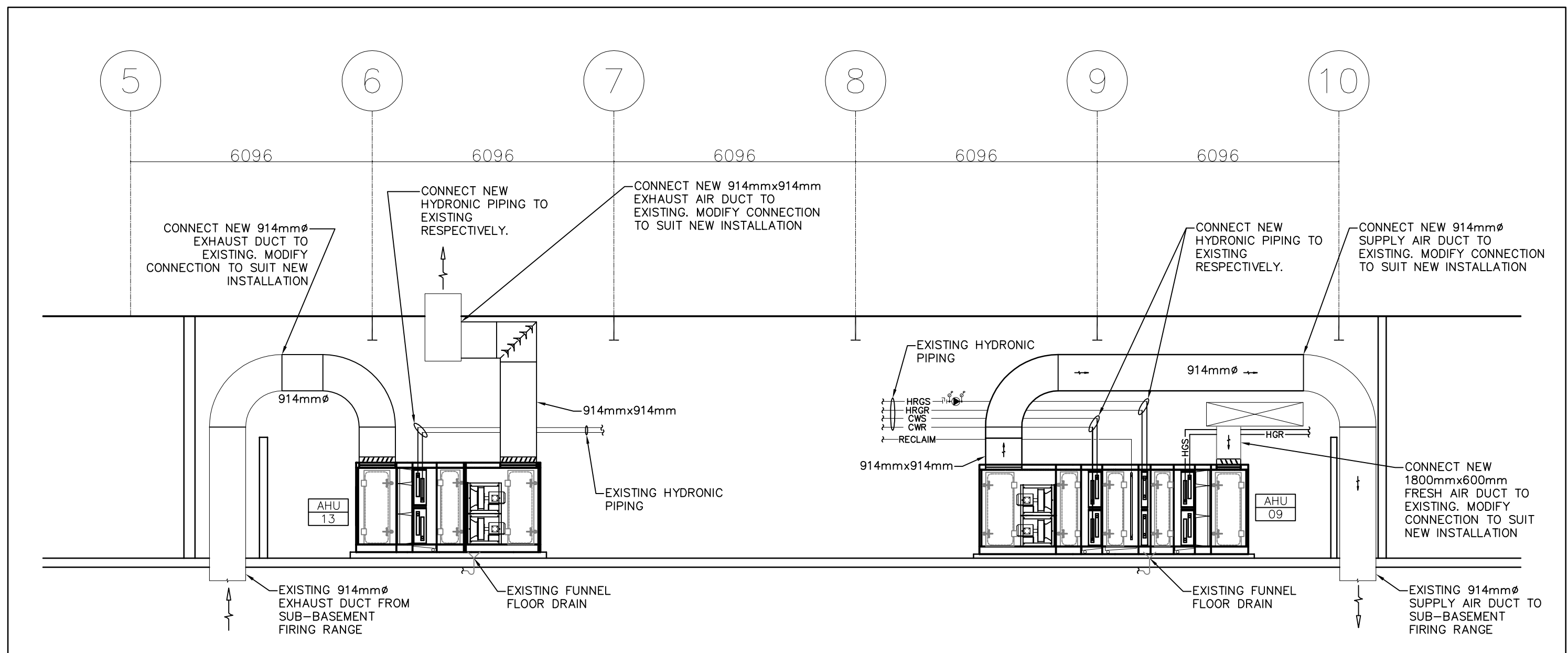


6 TYPICAL COIL PIPING DETAIL
M1.2 M1.2 NOT TO SCALE

HOT WATER HEATING COIL SCHEDULE - PART 1																	HOT WATER HEATING COIL SCHEDULE - PART 2													
TAG	SERVES	FACE SIZE		TUBE SIZE	ROWS	FINS PER	AIR SIDE										HEATING OUTPUT		FLUID SIDE								NOTES			
		WIDTH (mm)	HEIGHT (mm)				FLOW RATE (L/s)	PRESS. DROP (Pa)	ENT. TEMP. (C)	LVG. TEMP. (C)	LVG. TEMP. (F)	LVG. TEMP. (F)	(kW)	(MBH)	FLOW RATE (L/s)	PRESS. DROP (kPa)	ENT. TEMP. (C)	LVG. TEMP. (C)	CONN'S (mm)											
AHU-09	FIRING RANGE	2,134	84	800	16	0.625	2	394	10	8,590	18,200	60	0.24	-34.4	-30.0	21.1	70.0	575.0	1962.0	7.140	113.2	16.1	5.4	82.2	180.0	60.0	140.0	64	2.5	
		0		0	0							0	0.0	0.0	0.0	0.0	0.0	0.000	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		

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		WIDTH (mm)	HEIGHT (mm)	SIZE (mm)	SIZE (in.)			FLOW RATE (L/s)	PRESS. DROP (Pa)	ENT. D.B.T. (°C)	ENT. W.B.T. (°C)	LVG. D.B.T. (°C)	LVG. W.B.T. (°C)	TOTAL (kW)	SENSIBLE (kW)	FLOW RATE (L/s)	PRESS. DROP (kPa)	ENT. TEMP. (°C)	LVG. TEMP. (°C)	CONN'S (mm)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	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FAN SCHEDULE											
TAG	TYPE	m3/s (CFM)	EXT	ST PR	WHEEL		DRIVE	MOTOR			NOTES
					TYPE	MIN. DIA		W (hp)	VOLTS	PHASE	
AHU-09	Supply Air	8.6 (18,200)	5.4 in.wg		MPLFN	464mm (18.25 in.)	VSD, Direct	5592 (7-1/2")	575	3	4 fans operating in system. Hot water humidifier manifold needs to accommodate 500lb/hr and dispersion of 18" or less.
AHU-13	Exhaust Air	9.5 (20,200)	4.8 in.wg		MPLFN	464mm (18.25 in.)	VSD, Direct	5592 (7-1/2")	575	3	4 fans operating in system.



5 PARTIAL PENTHOUSE SECTION – MECHANICAL
M1.2 M1.2 1:100

5		
4		
3		
2	ISSUED FOR CONSTRUCTION	FEB 23/15
1	ISSUED FOR 99% REVIEW	DEC 22/14
0	ISSUED FOR 50% REVIEW	OCT 29/14
Revision	Description	Date

Client
ROYAL CANADIAN MOUNTED POLICE
D-DIVISION
1091 PORTAGE AVENUE
WINNIPEG, MANITOBA

Project
WINNIPEG, MANITOBA
1091 PORTAGE AVENUE
D-DIVISION HEADQUARTERS
FIRING RANGE UPGRADE

Designed by DH/RR	Conçu par DH/RR
Drawn by RR	Dessiné par RR
Approved by DH	Approuvé par DH
PWGSC Project Manager PAUL DUCHARME	Administrateur de Projets TPSGC PAUL DUCHARME
Drawing title MECHANICAL DETAILS, SECTIONS SCHEDULES	Titre du dessin MECHANICAL DETAILS, SECTIONS SCHEDULES

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
	M1.1 OF 04	0